Active Recombinant Mouse CD3E & CD3D protein, His &Flag-tagged

Cat. No. CD3E & CD3D-2970M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD3E&CD3D protein(Asp 23-Asp 108 (CD3E) & Phe 22-Ala 105 (CD3D)), fused with His and Flag tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Asp 23-Asp 108 (CD3E) & Phe 22-Ala 105 (CD3D)
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Mouse CD3E&CD3D Heterodimer Protein, His Tag&Flag Tag at 2 μg/mL (100 μL/well) can bind CD3E Monoclonal Antibody (145-2C11), Biotin with a linear range of 0.2-6 ng/mL.
Molecular Mass	Mouse CD3E&CD3D Heterodimer Protein, His Tag&Flag Tag is produced by co-expression of CD3E and CD3D, has a calculated MW of 15.1 kDa (CD3E) and 14.3 kDa (CD3D). Subunit CD3E is fused with a polyhistidine tag at the C-terminus and subunit CD3D is fused with a flag tag at the C-terminus. The reducing (R) heterodimer protein migrates as 19 kDa and 25-33 kDa due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.

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Purity	>90% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
Storage	For long term storage, the product should be stored at lyophilized state at-20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after storage at:-20°C to-70°C for 12 months in lyophilized state;-70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Cd3e CD3 antigen, epsilon polypeptide [Mus musculus]
Official Symbol	CD3E
Synonyms	CD3E; CD3 antigen, epsilon polypeptide; T-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; CD3; T3e; AI504783; CD3epsilon;
Gene ID	12501
mRNA Refseq	NM_007648
Protein Refseq	NP_031674

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